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UNCLAS ZAGREB 001391

SIPDIS

USDOC FOR 6420/ITA/TD/ITI/OTT/BROBERTS
USDOC FOR 3150/USFCS/OIO/EUR/ZONA/BRADLEY
USDOC FOR 4232/MAC/EUR/EERIS/BURGESS/ROGERS
USDOC FOR 4231/MAC/EUR/EERIS/CEEBIC/GOTTHARD

STATE FOR EUR/SCE

E.O. 12958: N/A

TAGS: [BEXP](#) [EINT](#) [ECPS](#) [HR](#)

SUBJECT: BROADBAND FIXED WIRELESS TELECOMMUNICATIONS
MARKET IN CROATIA

REF: USDOC 02720

BROADBAND FIXED WIRELESS MARKET IN CROATIA

A.Croatia has allocated an unlicensed frequency band of 2400-2483.5 MHz with limitation on Effective Isotropic Radiated Power (EIRP) equal to 100 mW, and 5725-5875 MHz with EIRP equal to 25 mW. There are no separate allocations for indoor and outdoor uses. A license is required for the use of 3.5GHz spectrum.

B.The demand for BFW can be only roughly estimated. Independent researchers estimate that 1.4 million people in Croatia (out of total population of 4.3 million) have Internet access. According to the Institute for Telecommunications, which issues approvals for import of BFW units, thousands of such units have been imported into Croatia in the past three years, but there is no information on how many are used in commercial networks.

C.An operating license is required for BFW services provided in the 3.5GHz spectrum. Additionally, every Internet service provider must obtain a license from the Croatian Telecommunications Institute, located at:

Jurisiceva 13
10000 Zagreb
Croatia
tel. +385 1 4896000
fax. +385 1 4920227
Mr. ante dodig, director
ante.dodig@telekom.hr
www.telekom.hr

BFW systems operating in the 2.4GHz range are not required to have a license provided that they meet the above frequency and EIRP requirements (see paragraph A) and that they are certified according to relevant ETSI (European Telecommunications Standardization Institute) technical specifications.

D.There are no ownership limits for companies offering BFW services. However, until 2005, the local incumbent operator, Hrvatske telekomunikacije, reserves the exclusive right to offer real time voice services.

[E](#). Every telecommunications operator offering interconnection has to publish its interconnection tariffs. The tariffs have to be approved by the Croatian Telecommunications Institute.

F.n/a

G.Four out of eight Internet service providers in Croatia use commercial BFW networks to connect customers to the Internet or to link two different locations of the same customer. Small range devices (SRD) are used by ISPs for connecting users in the urban areas. Companies also use SRD for intranet networks.

H.Contact information for two largest Croatian ISPs offering BFW:

Globalnet d.o.o.
Radoslava Zimmermana 64b
10000 Zagreb
tel. +385 1 6599 000
fax. +385 1 6599 099
www.globalnet.hr
3.5ghz band

License acquired in 2002
Primary vendor: Alvarion (Israel)

GLOBALNET PRICES

ES

128KBPS - HRK 1290 (USD 200/month)
256KBPS - HRK 2570 (USD 400/month)
384KBPS - HRK 3770 (USD 600/month)

Iskon Internet d.o.o.
Savska cesta 41
10000 Zagreb
tel. 6000 700
fax. 6000 777
www.iskon.hr
www.iskon.biz
3.5ghz band
License acquired: n/a
Primary vendor: n/a

ISKON "SKYNET" WFB offer prices: to be published after
June 16 (<http://www.iskon.biz/skynet/>)

Several non-profit associations are offering wireless
LAN access to its members in Croatian cities. Contact
information for the largest association offering this
type of service is listed below:

zgwireless non-profit association (only LAN, no
Internet access)
kontakt@zgwireless.net
www.zgwireless.net
2.4ghz band, 11mbps
Roll-out started 3 years ago

Equipment vendors present in Croatia:

- Orinoco/Lucent
- Cisco used primarily by commercial service
providers
- SMC
- Clink
- Mikrotik (latvia)
- Allnet
- Buffalo
- Linksys
- Arlan

Local distributors in Croatia:

Autronic d.o.o. (SMC)
Gruka 22
10000 Zagreb
Croatia
a
Tel. +385 1 61 53 500
Fax. +385 1 61 52 733
E-mail: autronic@autronic.hr
www.autronic.hr

Formel d.o.o. (Dlink)
Zvecajska 5
10000 Zagreb
Croatia
Tel. +385 1 36 40 853
Fax: +385 1 30 15 349
www.formel.hr

Boa d.o.o. (Buffalo)
Kreimirov trg 3
10000 Zagreb
Croatia
Tel. +385 1 46 55 302
Fax. +385 1 46 55 267
www.boa.hr

Info-gama d.o.o. (linksys)
Avenija V. Holjevca b.b.
10000 Zagreb
Croatia
Tel. +385 1 66 51 777
Fax. +385 1 66 51 799
www.info-gama.hr

Micro - Link d.o.o. (Arlan)
F.Fuisa 12
10000 Zagreb
Croatia
Tel. +385 1 36 36 884
Fax. +385 1 36 45 850
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SIPDIS

USDOC FOR 6420/IT

microlink@microlink.hr

I. Telecommunications technical equipment and installations can be imported, sold, leased, used or installed and connected to telecommunications infrastructure in Croatia if their quality is proven by a certificate of the Croatian Telecommunications Institute or statement of manufacturer's compatibility, which is submitted to the Croatian Telecommunications Institute, and a label as prescribed by separate guidelines. The Institute can accept certificates of quality or statements of compatibility from foreign legal entities as a valid proof of quality for the aforementioned equipment.

Croatian regulations prescribe that the label required for equipment certified should be in accordance with European or Croatian standards, and it makes no distinction between the two standards.

If the equipment is not certified, it can be either tested in Croatia or installed with prior consent from the Institute for testing purposes only and for a period not longer than two years.

Microprocessors and personal computers can be imported free of customs duties, while duties for antennas imported from countries other than EU are 5 percent. A value added tax of 22 percent is imposed on all imports.

(ORIGIN: USFCS/NIKOLAC/BLECHER)

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